

Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently Amended) A display device including comprising:
pixels that include a pixel comprising first to n-th (where n is a natural number, $2 \leq n$)
light-emitting elements that emit different emission colors,
wherein;
the first to n-th light emitting elements are laminated,
any one each of the first to n-th light-emitting elements is sequentially selected and
emits light emits light in a field sequential driving format, and
n is a natural number, $2 \leq n$.
2. (Currently Amended) A display device comprising:
a pixel comprising:
first to (n+1)th (where n is a natural number, $2 \leq n$) pixel electrodes;
first to n-th light-emitting elements layers that are disposed so as to be
sandwiched between the first to (n+1)th pixel electrodes and emit different emission colors, and
pixels including first to n-th transistors for driving;
first to n-th current supply lines; and
a power line;
wherein:
the first to n-th light-emitting layers and the first to (n+1)th pixel electrodes are
laminated,
the m-th light emitting layer is interposed between the m-th pixel electrode and the
(m+1)th pixel electrode,

the m -th (where m is a natural number, $1 \leq m \leq n$) pixel electrode is electrically connected to the m -th current supply line via the m -th transistor for driving,

the $(n+1)$ th pixel electrode is electrically connected to the power line, and
the potential difference between the pixel electrodes sandwiching the m -th light-emitting element is sequentially adjusted so that the m -th light-emitting element selectively emits light,

n is a natural number, $2 \leq n$, and

m is a natural number, $1 \leq m \leq n$.

3. (Currently Amended) A display device comprising:

a pixel comprising:

first to $(n+1)$ th (where n is a natural number, $2 \leq n$) pixel electrodes;

~~first to n -th light-emitting elements layers that are disposed so as to be sandwiched between the first to $(n+1)$ th pixel electrodes and emit different emission colors;~~

a transistor for switching; and

~~pixels including first to n -th transistors for driving;~~

a source signal line;

a gate signal line;

first to n -th current supply lines; and

a power line;

wherein:

the first to n -th light-emitting layers and the first to $(n+1)$ th pixel electrodes are laminated,

the m -th light emitting layer is interposed between the m -th pixel electrode and the $(m+1)$ th pixel electrode,

a gate electrode of the transistor for switching is electrically connected to the gate signal line,

a first electrode of the transistor for switching is electrically connected to the source signal line,

a second electrode of the transistor for switching is electrically connected to gate electrodes of the first to n-th transistors for driving,

the m-th (where m is a natural number, $1 \leq m \leq n$) pixel electrode is electrically connected to the m-th current supply line via the m-th transistor for driving, and

the (n+1)th pixel electrode is electrically connected to the power line,
the potential difference between the pixel electrodes sandwiching the m-th light-emitting element is sequentially adjusted so that the m-th light-emitting element selectively emits light.

n is a natural number, $2 \leq n$, and

m is a natural number, $1 \leq m \leq n$.

4. (Currently Amended) The display device according to claim 3, further comprising:

a gate signal line for erasure; and

~~a transistor for erasure;~~

wherein:

the pixel further comprises a transistor for erasure,

the gate electrode of the transistor for erasure is electrically connected to the signal line for erasure,

the first electrode of the transistor for erasure is electrically connected to the gate electrodes of the first to n-th transistors for driving, and

the second electrode of the transistor for erasure is electrically connected to any one of the first to n-th current supply lines.

5. (Currently Amended) The display device according to claim 3, further comprising:

a gate signal line for erasure;

~~a transistor for erasure;~~ and

a retention volume line;
wherein:
the pixel further comprises a transistor for erasure,
the gate electrode of the transistor for erasure is electrically connected to the gate signal line for erasure,
the first electrode of the transistor for erasure is electrically connected to the gate electrodes of the first to n-th transistors for driving, and
a second electrode of the transistor for erasure is electrically connected to the retention volume line.

6. (Currently Amended) The display device according to claim 3, further comprising:
a gate signal line for erasure; ~~and~~
~~first to n-th transistors for erasure;~~
wherein:
the pixel further comprises first to n-th transistors for erasure,
the gate electrodes of the first to n-th transistors for erasure are electrically connected to the gate signal line for erasure, and
the first to n-th transistors for erasure are disposed between the first to n-th pixel electrodes and the first to n-th transistors for driving.

7. (Canceled)

8. (Original) The display device according to claim 2, wherein the second to n-th pixel electrodes all comprise a transparent substance.

9. (Original) The display device according to claim 3, wherein the second to n-th pixel electrodes all comprise a transparent substance.

10. (Original) The display device according to claim 4, wherein the second to n-th pixel electrodes all comprise a transparent substance.

11. (Original) The display device according to claim 5, wherein the second to n-th pixel electrodes all comprise a transparent substance.

12. (Original) The display device according to claim 6, wherein the second to n-th pixel electrodes all comprise a transparent substance.

13-18. (Canceled)

19. (Currently Amended) A driving method of a display device comprising the steps of:
sequentially selecting any one of first to n-th (~~where n is a natural number, $2 \leq n$~~) light-emitting elements that are included in pixels and emit different emission colors;
controlling potential between two electrodes of the selected light-emitting element; and
sequentially causing the light-emitting element to emit light,
wherein:
the first to n-th light emitting elements are laminated, and
n is a natural number, $2 \leq n$.

20. (Previously Presented) The semiconductor device according to claim 1, wherein the semiconductor device is one selected from the group consisting of an EL display, a video camera, a personal computer, a portable information terminal, a mobile telephone, and a digital camera.

21. (Previously Presented) The semiconductor device according to claim 2, wherein the semiconductor device is one selected from the group consisting of an EL display, a video

camera, a personal computer, a portable information terminal, a mobile telephone, and a digital camera.

22. (Previously Presented) The semiconductor device according to claim 3, wherein the semiconductor device is one selected from the group consisting of an EL display, a video camera, a personal computer, a portable information terminal, a mobile telephone, and a digital camera.

23. (Previously Presented) The semiconductor device according to claim 19, wherein the semiconductor device is one selected from the group consisting of an EL display, a video camera, a personal computer, a portable information terminal, a mobile telephone, and a digital camera.